

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An antimicrobial peptide including the amino acid sequence represented as the following sequence equation (I):

N-terminus - X¹X²X³X⁴X⁵X⁶X⁷X⁸X⁹X¹⁰X¹¹X¹²X¹³X¹⁴X¹⁵ - C-terminus - (I)

wherein,

X¹ is absent or a basic amino acid;

X² are two identical or different hydrophobic amino acids;

X³ is a basic amino acid;

X⁴ is glutamine or asparagine;

X⁵ is phenylalanine or tryptophane;

X⁶ is proline;

X⁷ is isoleucine or valine;

X⁸ is glycine;

X⁹ is a basic amino acid;

X¹⁰ are two identical or different hydrophobic amino acids;

X¹¹ are two identical or different basic amino acids;

X¹² are two identical or different hydrophobic amino acids;

X¹³ are two identical or different basic amino acids;

X¹⁴ are two identical or different hydrophobic amino acids;

X¹⁵ is absent or a basic amino acid.

2. (Currently amended) The antimicrobial peptide according to claim 1, wherein including one of the amino acid sequences is selected from SEQ ID NOS: 1 to 34.

3-4. Cancelled

5. (Original) The antimicrobial peptide according to claim 1, wherein the C-terminus of the amino acid sequence is amidated.

6. (Original) The antimicrobial peptide according to claim 2, wherein the C-terminus of the amino acid sequence is amidated.

7-9. Cancelled.

10. (Currently amended) An antimicrobial composition comprising at least one or more antimicrobial peptide[[s]] according to claim 1 as effective ingredient[[s]] in a pharmacologically effective amount.

11. (Currently amended) An antimicrobial composition comprising at least one or more antimicrobial peptide[[s]] according to claim 2 as effective ingredient[[s]] in a pharmacologically effective amount.

12-13. Cancelled.

14. (Currently amended) An antimicrobial composition comprising at least one or more antimicrobial peptide[[s]] according to claim 5 as effective ingredient[[s]] in a pharmacologically effective amount[.].

15. (Currently amended) An antimicrobial composition comprising at least one or more antimicrobial peptide[[s]] according to claim 6 as effective ingredient[[s]] in a pharmacologically effective amount.

16-18. Cancelled.

19. (New) The antimicrobial peptide according to claim 6, wherein the amino acid sequence having said amidated C-terminus is selected from SEQ ID NOS: 69 and 70.

20. (New) An antimicrobial composition comprising at least one or more antimicrobial peptide according to claim 19 as effective ingredient in a pharmacologically effective amount.